



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name PSN MY3 ANALYTICAL AND QUALITY SERVICES PVT LTD, D.NO.7-236/2, 2ND FLOOR, VARALAKSHMI NAGAR, VISAKHAPATNAM, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-8215 Page No. : 1 / 4

Validity 21/12/2018 to 20/12/2020 Last Amended on -

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL-LUBRICANTS	Lubricants	Emulsion Charecterstics	ASTM D1401: 2012	Qualitative
2	CHEMICAL-LUBRICANTS	Lubricants	Fire Point	ASTM D92: 2016	80 °C to 350 °C
3	CHEMICAL-LUBRICANTS	Lubricants	Flash Point	ASTM D92: 2016	80 °C to 350 °C
4	CHEMICAL-LUBRICANTS	Lubricants	Foaming Charecteristics	ASTM D892: 2013	Qualitative
5	CHEMICAL-LUBRICANTS	Lubricants	TAN	ASTM D 664: 2017	0.02 mg KOH/g to 30 mg KOH/g
6	CHEMICAL-LUBRICANTS	Lubricants	TBN	ASTM D 4739: 2011	0.05 mg KOH/g to 50 mg KOH/g
7	CHEMICAL-LUBRICANTS	Lubricants	Viscosity @ 100°C	ASTM D445: 2017	5 Cst to 1000 Cst
8	CHEMICAL-LUBRICANTS	Lubricants	Viscosity @ 40°C	ASTM D445: 2017	5 Cst to 1000 Cst
9	CHEMICAL-LUBRICANTS	Lubricants	Viscosity Index	ASTM D2270: 2010	60 Cst to 240 Cst
10	CHEMICAL- ORES & MINERALS	Buaxite / Laterite	Alumina as Al ₂ O ₃	IS 2000 P-3: 1985 RA: 2017	5 % to 80 %
11	CHEMICAL- ORES & MINERALS	Buaxite / Laterite	Ferric Oxide	IS 2000 P-4: 1985 RA: 2017	0.5 % to 35 %
12	CHEMICAL- ORES & MINERALS	Buaxite / Laterite	Loss on Ignition	IS 2000 P-1: 1985 RA: 2017	5 % to 35 %
13	CHEMICAL- ORES & MINERALS	Buaxite / Laterite	Silica	IS 2000 P-2: 1985 RA: 2017	0.5 % to 50 %



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14	CHEMICAL- ORES & MINERALS	Bauxite / Laterite	Titania as TiO ₂	MY3/STP-OM/03/ICPOES ,ver 1.0: 2018	0.5 % to 10 %
15	CHEMICAL- ORES & MINERALS	Iron Ore	Alumina	IS 1493 P-1: 1981 RA: 2016	0.5 % to 15 %
16	CHEMICAL- ORES & MINERALS	Iron Ore	Iron as Fe	IS 1493: 1959 RA: 2016	0.5 to 70 %
17	CHEMICAL- ORES & MINERALS	Iron Ore	Loss on Ignition	IBM Manual: 2012	0.5 % to 30 %
18	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IS 1493 P-1: 1981 RA: 2016	0.2 % to 15 %
19	CHEMICAL- ORES & MINERALS	Iron Ore	Phosphorus	MY3/STP-OM/02/ICPOES, ver 1.0: 2018	0.05 % to 2 %
20	CHEMICAL- ORES & MINERALS	Iron Ore	Silica	IS 1493 P-1: 1981 RA: 2016	0.5 % to 30 %
21	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur	IS 1493: 1959 RA: 2016	0.1 % to 2 %
22	CHEMICAL- ORES & MINERALS	Limestone / Dolomite / Magnesite / Calcite	Alumina as Al ₂ O ₃	MY3/STP-OM/01/ICPOES, ver 1.0: 2018	0.1 % to 10 %
23	CHEMICAL- ORES & MINERALS	Limestone / Dolomite / Magnesite / Calcite	Calcium Oxide as CaO	IS 1760 P-3: 1992 RA: 2017	10 % to 56 %
24	CHEMICAL- ORES & MINERALS	Limestone / Dolomite / Magnesite / Calcite	Chloride	IS 1760 P-5: 1991 RA: 2017	0.01 % to 0.2 %
25	CHEMICAL- ORES & MINERALS	Limestone / Dolomite / Magnesite / Calcite	Iron Oxide as Fe ₂ O ₃	MY3/STP-OM/01/ICPOES, ver 1.0: 2018	0.1 % to 10 %



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26	CHEMICAL- ORES & MINERALS	Limestone / Dolomite / Magnesite / Calcite	Loss on Ignition	IS 1760 P1: 1991 RA: 2017	1.0 % to 50 %
27	CHEMICAL- ORES & MINERALS	Limestone / Dolomite / Magnesite / Calcite	Magnesium Oxide	IS 1760 P-3: 1992 RA: 2017	0.5 % to 40 %
28	CHEMICAL- ORES & MINERALS	Limestone / Dolomite / Magnesite / Calcite	Silica	IS 1760 P-2: 1991 RA: 2017	0.5 % to 45 %
29	CHEMICAL- ORES & MINERALS	Quartz	Alumina	MY3/STP-OM/04/ICPOES ,ver 1.0.; 2018	0.01 % to 2.00 %
30	CHEMICAL- ORES & MINERALS	Quartz	Ferric Oxide	MY3/STP-OM/04/ICPOES , ver 1.0: 2018	0.01 % to 2.00 %
31	CHEMICAL- ORES & MINERALS	Quartz	Loss on Ignition	IS 1917 P-1: 1991 RA: 2017	0.1 % to 5.0 %
32	CHEMICAL- ORES & MINERALS	Quartz	Silica	IS 1917 P-3: 1992 RA: 2017	80.0 to 99.9 %
33	CHEMICAL- SOLID FUELS	Coal / Coke	Al ₂ O ₃	IS 1355: 1984 RA: 2013	5.0 % to 40.0 %
34	CHEMICAL- SOLID FUELS	Coal / Coke	Ash content	IS 1350 Part1: 1984 RA: 2013	1.0 % to 70 %
35	CHEMICAL- SOLID FUELS	Coal / Coke	CaO	IS 1355:1984 RA: 2013	0.1 % to 10.0 %
36	CHEMICAL- SOLID FUELS	Coal / Coke	Fe ₂ O ₃	IS 1355: 1984 RA: 2013	3.0 % to 30.0 %
37	CHEMICAL- SOLID FUELS	Coal / Coke	Fixed Carbon	IS 1350 Part1: 1984 RA: 2013	1.0 % to 70 %
38	CHEMICAL- SOLID FUELS	Coal / Coke	GCV	IS 1350 Part2: 2017	1500 Cal/g to 9000 Cal/g



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39	CHEMICAL- SOLID FUELS	Coal / Coke	K2O	IS 1355: 1984 RA: 2013	0.05 % to 10.0 %
40	CHEMICAL- SOLID FUELS	Coal / Coke	MgO	IS 1355: 1984 RA: 2013	0.1 % to 10.0 %
41	CHEMICAL- SOLID FUELS	Coal / Coke	MnO	MY3/STP-SF/01/ICPOES ,ver :1.0: 2018	0.05 % to 20.0 %
42	CHEMICAL- SOLID FUELS	Coal / Coke	Moisture in air dried sample	IS 1350 Part1(Method : 6.3.2): 1984 RA: 2013	0.1 % to 20 %
43	CHEMICAL- SOLID FUELS	Coal / Coke	Na2O	IS 1355: 1984 RA: 2013	0.05 % to 10.0 %
44	CHEMICAL- SOLID FUELS	Coal / Coke	P2O5	MY3/STP-SF/01/ICPOES ,ver :1.0: 2018	0.01 % to 2.5 %
45	CHEMICAL- SOLID FUELS	Coal / Coke	SiO2	IS 1355: 1984 RA: 2013	5 % to 70 %
46	CHEMICAL- SOLID FUELS	Coal / Coke	SO3	IS 1355: 1984 RA: 2013	0.01 % to 3.5 %
47	CHEMICAL- SOLID FUELS	Coal / Coke	TiO2	MY3/STP-SF/01/ICPOES, ver :1.0: 2018	0.05 % to 20.0 %
48	CHEMICAL- SOLID FUELS	Coal / Coke	Volatile matter	IS 1350 Part1: 1984 RA: 2013	1.0 % to 70 %